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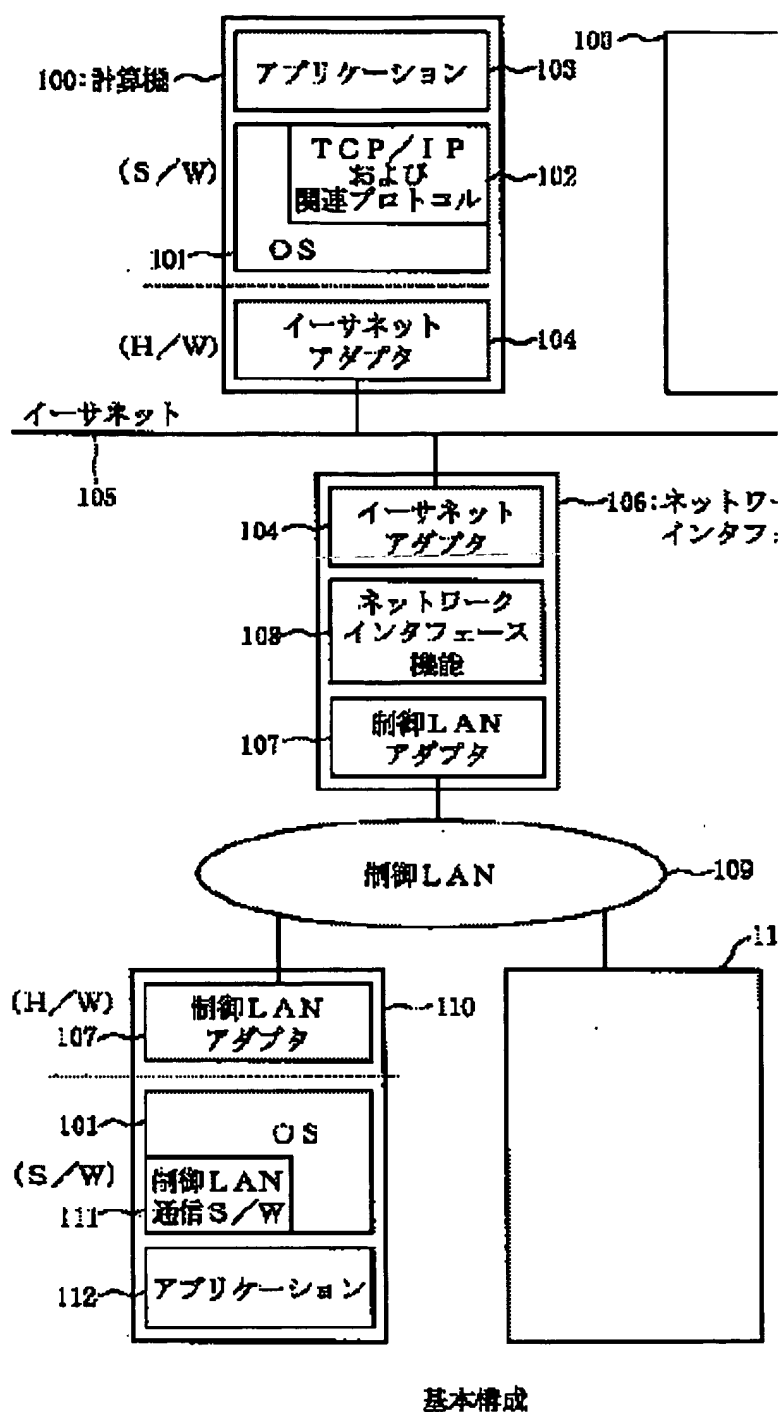| (30) Priority:	
(43) Date of application publication: **10.01.03**	(71) Applicant: **MITSUBISHI ELECTRIC C(**
	(72) Inventor: **KUSUNOKI KA**
(84) Designated contracting states:	(74) Representative:

(54) NETWORK INTERFACE, DEVICE, SYSTEM, METHOD, PROGRAM AND STORAGE MEDIUM RECORDING NETWORK INTERFACE PROGRAM

(57) Abstract:

PROBLEM TO BE SOLVED: To facilitate data transfer between calculators connected with

communication circuits for different communication protocols.

SOLUTION: The network interface device 106, which relays data transmission from the calculator 100 to the calculator 110, using virtual addresses to identify the calculator 100 on the Ethernet(R), connected with the Ethernet(R) 105 and the controlling LAN 109, comprises the Ethernet(R) adapter 104 receiving data and virtual address from the calculator 100, the network interface function 108 which stores and makes relations between a real and virtual addresses of the calculator 110, inputs the virtual address and data received by the Ethernet(R) adapter 104, detects a real address corresponding to the virtual address, and converts the data into the controlling LAN 109 format, and the controlling LAN adapter 107 which sends data to the calculator 110 using the converted data and the real address.

基本構成